Sumo antibody

Cat. No. GTX48822

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, IP, ELISA, ChIP assay
Reactivity	Yeast

Package
100 µg

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
IP	Assay dependent
ELISA	1:5000-1:25000
ChIP assay	Assay dependent

Not tested in other applications.

Calculated MW 12 kDa. (Note)

Properties

Form	Liquid
Buffer	20mM Potassium Phosphate, 150mM NaCl
Preservative	0.01% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant yeast SUMO protein.
Purification	IgG fraction This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above.
Conjugation	Unconjugated

For full product information, images and publications, please visit our website.

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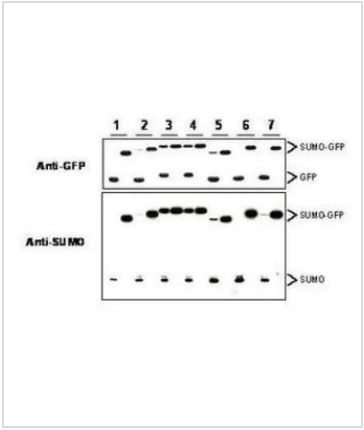
Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



GTX48822 WB Image

Western blot of SUMO-GFP fusion proteins cleaved by insect cell protein extracts. Anti-SUMO antibody, generated by immunization with recombinant yeast SUMO, was tested by western blot against several constructs of SUMO-GFP fusion proteins after cleavage by proteases in insect cell protein extracts. These constructs contained various linkers between the SUMO and GFP portion of the fusion proteins. Each sample was run twice. The left lanes each contain 2 µg E.coli expressed and purified SUMO-GFP fusion proteins after incubation with lysed cells (50 µg total protein) for 1 h. The right lanes contain the same fusion proteins incubated with the lysate in the presence of 2% SDS. After probing with anti-GFP antibodies the membranes were stripped of antibody using SDS-DTT solution for 30 m at 60º C and were then re-probed using the anti-SUMO antibody at a 1:1000 dilution incubated overnight at 4º C in 5% non-fat dry milk in TBST. Detection occurred using a 1:2000 dilution of HRP-labeled Donkey anti-Rabbit IgG.

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